

**Translation**

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Abstract:

In a radiation-detecting optoelectronic component with a  
5 semiconductor chip (2) which chip has one or more radiation-  
sensitive zones (7, 8, 9) for detection of electromagnetic radiation  
(17), focusing of the electromagnetic radiation (17) occurs in the  
radiation-sensitive zones (7, 8, 9) by means of a diffractive  
element (1) which element is preferably integrated into the  
10 semiconductor chip (2). The diffractive element (1) may be, in  
particular, a zone plate.

(Fig. 1)

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